

OXC-0925  
171

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SUMMARY OF RESULTS OF COMPARISON OF  
WEB AND X-80 PROCESSING OF SO-243 FILM

Two samples of SO-243 were identically exposed. The following day one sample was processed in X-80 at 90° F for six minutes, and the other sample delivered to [REDACTED]. The exposure and evaluation was performed, and data presented, according to the procedure described in Document 187.

25X1A

The results are shown in the attached drawing. In obtaining maximum image forming capability over a 2:1 contrast ratio scene,

Web Tf = 0.60; Log  $E_{min}$  = 1.78 =  $\frac{1}{56}$  sec. exposure

X-80 Tf = 0.51; Log  $E_{min}$  = 1.32 =  $\frac{1}{195}$  sec. exposure

The Web process, exposed at Log  $E_{min}$  = 1.63 ( $\frac{1}{98}$  sec. exposure) yields a Tf = 0.51 over a Log  $E$  = .56 range, and therefore a scene with a 3.65:1 contrast ratio can be recorded at Tf = 0.51.

The Web process exhibits an image forming capability similar to that obtained with D-76 developer types, but with a sensitivity (speed) obtained with D-19 (68°, 8 min.).

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